RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/500,941
Source: PCT
Date Processed by STIC: 9-6-05

ENTERED

PCT

RAW SEQUENCE LISTING DATE: 09/06/2005
PATENT APPLICATION: **US/10/500,941** TIME: 11:22:22

Input Set : **A:\13425-102US1.TXT**
Output Set: **N:\CRF4\09062005\J500941.raw**

```
 4 <110> APPLICANT: Climent-Johansson, Isabel
 5       Enerback, Sven
 7 <120> TITLE OF INVENTION: PROTEIN COMPLEXES
 9 <130> FILE REFERENCE: 13425-102US1
11 <140> CURRENT APPLICATION NUMBER: US 10/500,941
12 <141> CURRENT FILING DATE: 2004-07-08
14 <150> PRIOR APPLICATION NUMBER: PCT/SE03/00139
15 <151> PRIOR FILING DATE: 2003-01-28
17 <150> PRIOR APPLICATION NUMBER: US 60/377,349
18 <151> PRIOR FILING DATE: 2002-04-30
20 <150> PRIOR APPLICATION NUMBER: SE 0200265-7
21 <151> PRIOR FILING DATE: 2002-01-29
23 <160> NUMBER OF SEQ ID NOS: 12
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 501
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <400> SEQUENCE: 1
33 Met Gln Ala Arg Tyr Ser Val Ser Asp Pro Asn Ala Leu Gly Val Val
34  1               5                  10                  15
35 Pro Tyr Leu Ser Glu Gln Asn Tyr Tyr Arg Ala Ala Gly Ser Tyr Gly
36             20                  25                  30
37 Gly Met Ala Ser Pro Met Gly Val Tyr Ser Gly His Pro Glu Gln Tyr
38         35                  40                  45
39 Ser Ala Gly Met Gly Arg Ser Tyr Ala Pro Tyr His His His Gln Pro
40     50                  55                  60
41 Ala Ala Pro Lys Asp Leu Val Lys Pro Pro Tyr Ser Tyr Ile Ala Leu
42 65                  70                  75                  80
43 Ile Thr Met Ala Ile Gln Asn Ala Pro Glu Lys Lys Ile Thr Leu Asn
44                 85                  90                  95
45 Gly Ile Tyr Gln Phe Ile Met Asp Arg Phe Pro Phe Tyr Arg Glu Asn
46             100                 105                 110
47 Lys Gln Gly Trp Gln Asn Ser Ile Arg His Asn Leu Ser Leu Asn Glu
48         115                 120                 125
49 Cys Phe Val Lys Val Pro Arg Asp Asp Lys Lys Pro Gly Lys Gly Ser
50     130                 135                 140
51 Tyr Trp Thr Leu Asp Pro Asp Ser Tyr Asn Met Phe Glu Asn Gly Ser
52 145                 150                 155                 160
53 Phe Leu Arg Arg Arg Arg Arg Phe Lys Lys Lys Asp Val Ser Lys Glu
54                 165                 170                 175
55 Lys Glu Glu Arg Ala His Leu Lys Glu Pro Pro Pro Ala Ala Ser Lys
56             180                 185                 190
```

RAW SEQUENCE LISTING DATE: 09/06/2005
PATENT APPLICATION: US/10/500,941 TIME: 11:22:22

Input Set : A:\13425-102US1.TXT
Output Set: N:\CRF4\09062005\J500941.raw

```
57 Gly Ala Pro Ala Thr Pro His Leu Ala Asp Ala Pro Lys Glu Ala Glu
58         195                 200                 205
59 Lys Lys Val Val Ile Lys Ser Glu Ala Ala Ser Pro Ala Leu Pro Val
60     210                 215                 220
61 Ile Thr Lys Val Glu Thr Leu Ser Pro Glu Ser Ala Leu Gln Gly Ser
62 225                 230                 235                 240
63 Pro Arg Ser Ala Ala Ser Thr Pro Ala Gly Ser Pro Asp Gly Ser Leu
64                 245                 250                 255
65 Pro Glu His His Ala Ala Ala Pro Asn Gly Leu Pro Gly Phe Ser Val
66             260                 265                 270
67 Glu Asn Ile Met Thr Leu Arg Thr Ser Pro Pro Gly Gly Glu Leu Ser
68         275                 280                 285
69 Pro Gly Ala Gly Arg Ala Gly Leu Val Val Pro Pro Leu Ala Leu Pro
70     290                 295                 300
71 Tyr Ala Ala Ala Pro Pro Ala Ala Tyr Gly Gln Pro Cys Ala Gln Gly
72 305                 310                 315                 320
73 Leu Glu Ala Gly Ala Ala Gly Gly Tyr Gln Cys Ser Met Arg Ala Met
74                 325                 330                 335
75 Ser Leu Tyr Thr Gly Ala Glu Arg Pro Ala His Met Cys Val Pro Pro
76             340                 345                 350
77 Ala Leu Asp Glu Ala Leu Ser Asp His Pro Ser Gly Pro Thr Ser Pro
78         355                 360                 365
79 Leu Ser Ala Leu Asn Leu Ala Ala Gly Gln Glu Gly Ala Leu Ala Ala
80     370                 375                 380
81 Thr Gly His His His Gln His His Gly His His His Pro Gln Ala Pro
82 385                 390                 395                 400
83 Pro Pro Pro Pro Ala Pro Gln Pro Gln Pro Thr Pro Gln Pro Gly Ala
84                 405                 410                 415
85 Ala Ala Ala Gln Ala Ala Ser Trp Tyr Leu Asn His Ser Gly Asp Leu
86             420                 425                 430
87 Asn His Leu Pro Gly His Thr Phe Ala Ala Gln Gln Gln Thr Phe Pro
88         435                 440                 445
89 Asn Val Arg Glu Met Phe Asn Ser His Arg Leu Gly Ile Glu Asn Ser
90     450                 455                 460
91 Thr Leu Gly Glu Ser Gln Val Ser Gly Asn Ala Ser Cys Gln Leu Pro
92 465                 470                 475                 480
93 Tyr Arg Ser Thr Pro Pro Leu Tyr Arg His Ala Ala Pro Tyr Ser Tyr
94                 485                 490                 495
95 Asp Cys Thr Lys Tyr
96             500
98 <210> SEQ ID NO: 2
99 <211> LENGTH: 514
100 <212> TYPE: PRT
101 <213> ORGANISM: Homo sapiens
103 <400> SEQUENCE: 2
104 Pro Ser Glu Lys Asn Glu Phe Ser Arg Arg Lys Arg Ser Lys Ser Glu
105  1               5                  10                  15
106 Asp Met Asp Asn Val Gln Ser Lys Arg Arg Arg Tyr Met Glu Glu Glu
107             20                  25                  30
```

RAW SEQUENCE LISTING DATE: 09/06/2005
PATENT APPLICATION: US/10/500,941 TIME: 11:22:22

Input Set : A:\13425-102US1.TXT
Output Set: N:\CRF4\09062005\J500941.raw

```
108 Tyr Glu Ala Glu Phe Gln Val Lys Ile Thr Ala Lys Gly Asp Ile Asn
109         35                  40                  45
110 Gln Lys Leu Gln Lys Val Ile Gln Trp Leu Leu Glu Glu Lys Leu Cys
111     50                  55                  60
112 Ala Leu Gln Cys Ala Val Phe Asp Lys Thr Leu Ala Glu Leu Lys Thr
113 65                  70                  75                  80
114 Arg Val Glu Lys Ile Glu Cys Asn Lys Arg His Lys Thr Val Leu Thr
115                 85                  90                  95
116 Glu Leu Gln Ala Lys Ile Ala Arg Leu Thr Lys Arg Phe Glu Ala Ala
117             100                 105                 110
118 Lys Glu Asp Leu Lys Lys Arg His Glu His Pro Pro Asn Pro Pro Val
119         115                 120                 125
120 Ser Pro Gly Lys Thr Val Asn Asp Val Asn Ser Asn Asn Asn Met Ser
121     130                 135                 140
122 Tyr Arg Asn Ala Gly Thr Val Arg Gln Met Leu Glu Ser Lys Arg Asn
123 145                 150                 155                 160
124 Val Ser Glu Ser Ala Pro Pro Ser Phe Gln Thr Pro Val Asn Thr Val
125                 165                 170                 175
126 Ser Ser Thr Asn Leu Val Thr Pro Pro Ala Val Val Ser Ser Gln Pro
127             180                 185                 190
128 Lys Leu Gln Thr Pro Val Thr Ser Gly Ser Leu Thr Ala Thr Ser Val
129         195                 200                 205
130 Leu Pro Ala Pro Asn Thr Ala Thr Val Val Ala Thr Thr Gln Val Pro
131     210                 215                 220
132 Ser Gly Asn Pro Gln Pro Thr Ile Ser Leu Gln Pro Leu Pro Val Ile
133 225                 230                 235                 240
134 Leu His Val Pro Val Ala Val Ser Ser Gln Pro Gln Leu Leu Gln Ser
135                 245                 250                 255
136 His Pro Gly Thr Leu Val Thr Asn Gln Pro Ser Gly Asn Val Glu Phe
137             260                 265                 270
138 Ile Ser Val Gln Ser Pro Pro Thr Val Ser Gly Leu Thr Lys Asn Pro
139         275                 280                 285
140 Val Ser Leu Pro Ser Leu Pro Asn Pro Thr Lys Pro Asn Asn Val Pro
141     290                 295                 300
142 Ser Val Pro Ser Pro Ser Ile Gln Arg Asn Pro Thr Ala Ser Ala Ala
143 305                 310                 315                 320
144 Pro Leu Gly Thr Thr Leu Ala Val Gln Ala Val Pro Thr Ala His Ser
145                 325                 330                 335
146 Ile Val Gln Ala Thr Arg Thr Ser Leu Pro Thr Val Gly Pro Ser Gly
147             340                 345                 350
148 Leu Tyr Ser Pro Ser Thr Asn Arg Gly Pro Ile Gln Met Lys Ile Pro
149         355                 360                 365
150 Ile Ser Ala Phe Ser Thr Ser Ser Ala Ala Glu Gln Asn Ser Asn Thr
151     370                 375                 380
152 Thr Pro Arg Ile Glu Asn Gln Thr Asn Lys Thr Ile Asp Ala Ser Val
153 385                 390                 395                 400
154 Ser Lys Lys Ala Ala Asp Ser Thr Ser Gln Cys Gly Lys Ala Thr Gly
155                 405                 410                 415
156 Ser Asp Ser Ser Gly Val Ile Asp Leu Thr Met Asp Asp Glu Glu Ser
```

RAW SEQUENCE LISTING DATE: 09/06/2005
PATENT APPLICATION: US/10/500,941 TIME: 11:22:22

Input Set : A:\13425-102US1.TXT
Output Set: N:\CRF4\09062005\J500941.raw

```
157             420                 425                 430
158 Gly Ala Ser Gln Asp Pro Lys Lys Leu Asn His Thr Pro Val Ser Thr
159         435                 440                 445
160 Met Ser Ser Ser Gln Pro Val Ser Arg Pro Leu Gln Pro Ile Gln Pro
161     450                 455                 460
162 Ala Pro Pro Leu Gln Pro Ser Gly Val Pro Thr Ser Gly Pro Ser Gln
163 465                 470                 475                 480
164 Thr Thr Ile His Leu Leu Pro Thr Ala Pro Thr Thr Val Asn Val Thr
165                 485                 490                 495
166 His Arg Pro Val Thr Gln Val Thr Thr Arg Leu Pro Val Pro Arg Ala
167             500                 505                 510
168 Pro Ala
171 <210> SEQ ID NO: 3
172 <211> LENGTH: 524
173 <212> TYPE: PRT
174 <213> ORGANISM: Homo sapiens
176 <400> SEQUENCE: 3
177 Met His Val Glu Thr Gly Pro Asn Gly Glu Gln Ile Arg Lys His Ala
178  1               5                  10                  15
179 Gly Gln Lys Arg Thr Tyr Lys Ala Ile Ser Glu Ser Tyr Ala Phe Leu
180             20                  25                  30
181 Pro Arg Glu Ala Val Thr Arg Phe Leu Met Ser Cys Ser Glu Cys Gln
182         35                  40                  45
183 Lys Arg Met His Leu Asn Pro Asp Gly Thr Asp His Lys Asp Asn Gly
184     50                  55                  60
185 Lys Pro Pro Thr Leu Val Thr Ser Met Ile Asp Tyr Asn Met Pro Ile
186 65                  70                  75                  80
187 Thr Met Ala Tyr Met Lys His Met Lys Leu Gln Leu Leu Asn Ser Gln
188                 85                  90                  95
189 Gln Asp Glu Asp Glu Ser Ser Ile Glu Ser Asp Glu Phe Asp Met Ser
190             100                 105                 110
191 Asp Ser Thr Arg Met Ser Ala Val Asn Ser Asp Leu Ser Ser Asn Leu
192         115                 120                 125
193 Glu Glu Arg Met Gln Ser Pro Gln Asn Leu His Gly Gln Gln Asp Asp
194     130                 135                 140
195 Asp Ser Ala Ala Glu Ser Phe Asn Gly Asn Glu Thr Leu Gly His Ser
196 145                 150                 155                 160
197 Ser Ile Ala Ser Gly Gly Thr His Ser Arg Glu Met Gly Asp Ser Asn
198                 165                 170                 175
199 Ser Asp Gly Lys Thr Gly Leu Glu Gln Asp Glu Gln Pro Leu Asn Leu
200             180                 185                 190
201 Ser Asp Ser Pro Leu Ser Ala Gln Leu Thr Ser Glu Tyr Arg Ile Asp
202         195                 200                 205
203 Asp His Asn Ser Asn Gly Lys Asn Lys Tyr Lys Asn Leu Leu Ile Ser
204     210                 215                 220
205 Asp Leu Lys Met Glu Arg Glu Ala Arg Glu Asn Gly Ser Lys Ser Pro
206 225                 230                 235                 240
207 Ala His Ser Tyr Ser Ser Tyr Asp Ser Gly Lys Asn Glu Ser Val Asp
208                 245                 250                 255
```

RAW SEQUENCE LISTING DATE: 09/06/2005
PATENT APPLICATION: US/10/500,941 TIME: 11:22:22

Input Set : A:\13425-102US1.TXT
Output Set: N:\CRF4\09062005\J500941.raw

```
209 Arg Gly Ala Glu Asp Leu Ser Leu Asn Arg Gly Asp Glu Asp Glu Asp
210             260                 265                 270
211 Asp His Glu Asp His Asp Asp Ser Glu Lys Val Asn Glu Thr Asp Gly
212         275                 280                 285
213 Val Glu Ala Glu Arg Leu Lys Ala Phe Asn Met Phe Val Arg Leu Phe
214     290                 295                 300
215 Val Asp Glu Asn Leu Asp Arg Met Val Pro Ile Ser Lys Gln Pro Lys
216 305                 310                 315                 320
217 Glu Lys Ile Gln Ala Ile Ile Asp Ser Cys Arg Arg Gln Phe Pro Glu
218                 325                 330                 335
219 Tyr Gln Glu Arg Ala Arg Lys Arg Ile Arg Thr Tyr Leu Lys Ser Cys
220             340                 345                 350
221 Arg Arg Met Lys Arg Ser Gly Phe Glu Met Ser Arg Pro Ile Pro Ser
222         355                 360                 365
223 His Leu Thr Ser Ala Val Ala Glu Ser Ile Leu Ala Ser Ala Cys Glu
224     370                 375                 380
225 Ser Glu Ser Arg Asn Ala Ala Lys Arg Met Arg Leu Glu Arg Gln Gln
226 385                 390                 395                 400
227 Asp Glu Ser Ala Pro Ala Asp Lys Gln Cys Lys Pro Glu Ala Thr Gln
228                 405                 410                 415
229 Ala Thr Tyr Ser Thr Ser Ala Val Pro Gly Ser Gln Asp Val Leu Tyr
230             420                 425                 430
231 Ile Asn Gly Asn Gly Thr Tyr Ser Tyr His Ser Tyr Arg Gly Leu Gly
232         435                 440                 445
233 Gly Gly Leu Leu Asn Leu Asn Asp Ala Ser Ser Ser Gly Pro Thr Asp
234     450                 455                 460
235 Leu Ser Met Lys Arg Gln Leu Ala Thr Ser Ser Gly Ser Ser Ser Ser
236 465                 470                 475                 480
237 Ser Asn Ser Arg Pro Gln Leu Ser Pro Thr Glu Ile Asn Ala Val Arg
238                 485                 490                 495
239 Gln Leu Val Ala Gly Tyr Arg Glu Ser Ala Ala Phe Leu Leu Arg Ser
240             500                 505                 510
241 Ala Asp Glu Leu Glu Asn Leu Ile Leu Gln Gln Asn
242         515                 520
244 <210> SEQ ID NO: 4
245 <211> LENGTH: 586
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 4
250 Met Asn Pro Thr Asn Thr Val Phe Asp Ala Lys Arg Leu Ile Gly Arg
251  1               5                  10                  15
252 Arg Phe Asp Asp Ala Val Val Gln Ser Asp Met Lys His Trp Pro Phe
253             20                  25                  30
254 Met Val Val Asn Asp Ala Gly Arg Pro Lys Val Gln Val Glu Tyr Lys
255         35                  40                  45
256 Gly Glu Thr Lys Ser Phe Tyr Pro Glu Glu Val Ser Ser Met Val Leu
257     50                  55                  60
258 Thr Lys Met Lys Glu Ile Ala Glu Ala Tyr Leu Gly Lys Thr Val Thr
259 65                  70                  75                  80
```

VERIFICATION SUMMARY DATE: 09/06/2005
PATENT APPLICATION: **US/10/500,941** TIME: 11:22:23

Input Set : **A:\13425-102US1.TXT**
Output Set: **N:\CRF4\09062005\J500941.raw**